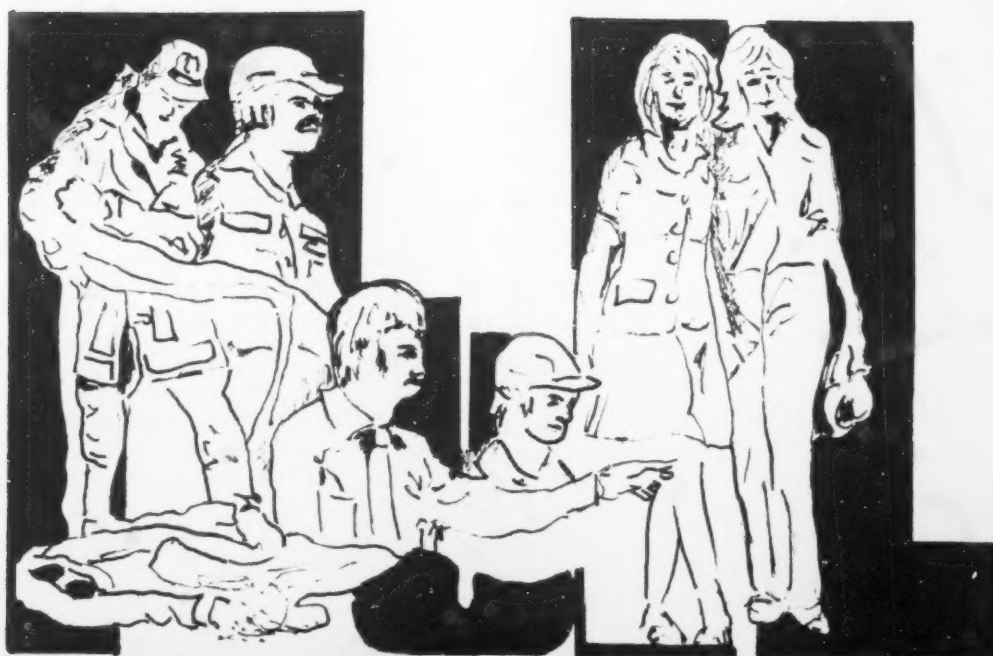


11/1/83 S 8750-1 2
September 1983

**JOB
SERVICE**
WISCONSIN

Wisconsin Employment and Economic Indicators



WISCONSIN DATA AND SOURCES

INDICATOR	SOURCE
L1 Average Work Week, Manufacturing	Wis. Dept. of Industry, Labor and Human Relations
L2 Average Overtime Hours, Mfg.	Wis. Dept. of Industry, Labor and Human Relations
L3 Average Weekly Initial Claims	Wis. Dept. of Industry, Labor and Human Relations
L4 Business Failures (Dollars)	Dun & Bradstreet, Inc.
L5 Business Failures (Number)	Dun & Bradstreet, Inc.
L6 New Business Incorporations	Wisconsin Secretary of State
L7 Net Gain in Business Phone Access Lines	Wis. Telephone Co. and General Telephone Co.
L8 Building Plans Examined	Wis. Dept. of Industry, Labor and Human Relations
C1 Help-Wanted Advertising Index (Milw.)	National Industrial Conference Board
C2 Total Unemployment Rate	Wis. Dept. of Industry, Labor and Human Relations
C3 Natural Gas Sales	Wisconsin Public Service Commission
C4 New Car Registrations	Wis. Department of Transportation
C5 Electric Power Sales	Wisconsin Public Service Commission
C6 Total Securities Registrations	Wisconsin Commissioner of Securities
C7 Personal Income	"Business Week," McGraw Hill
C8 Average Weekly Earnings, Mfg.	Wis. Dept. of Industry, Labor and Human Relations
C9 Cash Receipts From Farm Marketing	U.S. Department of Agriculture
C10 Contract Construction Employment	Wis. Dept. of Industry, Labor and Human Relations
X1 Birth Registrations	Wis. Department of Health and Social Services
X2 Death Registrations	Wis. Department of Health and Social Services
X3 Natural Net Gain in Population	Wis. Department of Health and Social Services
X4 Marriage Registrations	Wis. Department of Health and Social Services
X5 Consumer Price Index (Milwaukee)	U.S. Bureau of Labor Statistics
X6 Index of Prices Received By Farmers	Wisconsin Department of Agriculture
X7 Net Gain in Residential Phone Access Lines	Wis. Telephone Co. and General Telephone Co.
X8 Total Job Openings Received	Wis. Dept. of Industry, Labor and Human Relations
X9 Manufacturing Employment	Wis. Dept. of Industry, Labor and Human Relations

NOTES: Selected series are seasonally adjusted by the Bureau of the Census X-11 Variant of the Census Method II Seasonal Adjustment Program. The adjusted data are plotted on arithmetic scales.

SECTION A is a summary of recent data and current changes for all indicators and is presented in chart form. The indicators are presented with cyclical timing as the principle basis of classification.

SECTION B is a summary of Wisconsin Labor Force Estimates, including Employment, Unemployment and Unemployment Rates, and selected U.S. data.

SECTION C analyzes the Wisconsin labor force by industry and by specified Standard Metropolitan Statistical Areas.

SECTION D singles out certain economic time series as being leading or coinciding in relation to movements in aggregate economic activity. They are seasonally adjusted and presented graphically. The indicators are grouped by cyclical timing.

COVER GRAPHIC: Courtesy of Cynthia K. Meden

THE WISCONSIN ECONOMY

SUMMARY FOR AUGUST

INDICATORS OF ECONOMIC ACTIVITY THROUGHOUT WISCONSIN ARE MIXED IN AUGUST. WORK WEEK HOURS AND BUSINESS INCORPORATIONS INCREASED. SO DID THE AVERAGE NUMBER OF INITIAL CLAIMS FOR UNEMPLOYMENT COMPENSATION - BUT AT A LESS THAN NORMAL PACE. UNEMPLOYMENT DECREASED, BUT AGAIN, AT A LESS THAN SEASONALLY NORMAL PACE.

LEADING INDICATORS

The Average Work Week in Manufacturing lengthened during the July to August period. Production workers in manufacturing worked an average of 41.0 hours per week in August; up from 40.4 hours one month earlier. The work week typically does increase in August, but only slightly. Thus, the seasonally adjusted trend for the workweek is up. Overtime hours are what boosted up the workweek in August. The average number of Overtime hours per week in manufacturing industries rose to 3.3 hours. One month earlier, July overtime averaged 2.7 hours per week. Overtime hours normally decrease in August as manufacturers add to their work force. Employment gains in manufacturing for August were modest.

The average number of Weekly Initial Claims for unemployment compensation decreased to 9,723 during the weeks of August. Weekly initial claims activity one month earlier amounted to an average of 11,199. Despite the drop, the initial claims trend is up slightly, because the average usually decreases by a heftier portion in August.

New Business Incorporations provided a bright spot in Wisconsin's August economic activity. August's incorporations amount to 518; an increase over the 470 of one month earlier. New incorporations usually slacken a bit in August.

The number of Building Plans Examined decreased to 350 in August from 370 of the previous month. An August decrease is usual, so the 350 level represents an increasing trend. Construction plans for commercial and industrial buildings are examined by state building code officials for safety reasons.

OTHER INDICATORS

The Help-Wanted Advertising Index for Milwaukee slipped to 37 in August from 41 of July. The index is determined on a 1967 average equal to 100 base. The index measures the volume of job advertising by employers. The index seemed stuck at the low-thirties level for the last part of 1982 and the first half of this year.

New Car Registrations increased by nearly 5,000 in the July to August period. August's registrations numbered 18,581; well above the normal seasonal trend.

WISCONSIN LABOR FORCE

Employment increased throughout the state during August by 3,600 more job-holders. That's a little bit more than seasonally normal. At the same time, unemployment decreased by 6,000, but the amount is less than should be, according to seasonal patterns. The result is an unemployment rate that decreased unadjusted, but increased by 0.2 percentage points when seasonally adjusted.

A

WISCONSIN ECONOMIC INDICATORS

INDICATOR	UNIT	MONTHLY SERIES			% CHANGE		AVG.	
		Latest Month		Mo/Ago	Yr/Ago	Mo/Ago	Yr/Ago	1982
LEADING INDICATORS								
L1	AVG. WORK WEEK, MFG.							
	Unadjusted	HOURS	41.0 Aug	40.4	39.4	1.5	4.0	39.6
	Seasonally Adjusted		41.1	40.7	39.5	1.0	4.0	
L2	AVG. OVERTIME HOURS, MFG.							
	Unadjusted	HOURS	3.3 Aug	2.7	2.5	22.2	32.0	2.3
	Seasonally Adjusted		3.0	2.7	2.3	11.1	30.4	
L3	AVG. WEEKLY INITIAL CLAIMS							
	Unadjusted	NUMBER	9,723 Aug	11,199	13,816	-13.1	-29.6	16,424
	Seasonally Adjusted		12,857	11,533	18,093	11.5	-29.0	
L4	BUSINESS FAILURES							
	Unadjusted	THOUS.	6,811 Jul82	6,635	2,614	2.7	160.6	-
	Seasonally Adjusted	DOL.	11,970	4,836	4,596	147.5	160.4	
L5	BUSINESS FAILURES							
	Unadjusted	NUMBER	29 Jul82	32	14	-9.4	107.1	-
	Seasonally Adjusted		49	23	24	113.0	104.2	
L6	NEW BUSINESS INCORPORATIONS							
	Unadjusted	NUMBER	518 Aug	470	460	10.2	12.6	518
	Seasonally Adjusted		549	467	488	17.6	12.5	
L7	NET GAIN IN BUSINESS PHONE ACCESS LINES							
	Unadjusted	NUMBER	-389 Aug	1,656	815	-123.5	-147.7	68
	Seasonally Adjusted		-1,294	1,266	-90	-202.2	-1337.8	
L8	BUILDING PLANS EXAMINED							
	Unadjusted	NUMBER	350 Aug	370	209	-5.4	67.5	219
	Seasonally Adjusted		356	343	212	4.1	67.9	
ROUGHLY COINCIDENT INDICATORS								
C1	HELP-WANTED INDEX (MILW.)							
	Seasonally Adjusted	INDEX	37 Aug	41	31	-9.8	19.4	35
C2	UNEMPLOYMENT RATE, TOTAL							
	Unadjusted	PERCENT	9.3 Aug	9.5	10.2	-	-	10.7
	Seasonally Adjusted		9.6	9.4	10.5	-	-	
C3	NATURAL GAS SALES							
	Unadjusted	MIL.	112.7 Jul	118.6	109.9	-5.0	2.5	258.3
	Seasonally Adjusted	THERMS	245.5	236.7	239.4	3.7	2.5	
C4	NEW CAR REGISTRATIONS							
	Unadjusted	NUMBER	18,581 Aug	13,621	13,823	36.4	34.4	11,886
	Seasonally Adjusted		16,843	12,560	12,533	34.1	34.4	
C5	ELECTRIC POWER SALES							
	Unadjusted	MIL. KWH	1938.2 Jul	1770.0	1753.0	9.5	10.6	1673.7
	Seasonally Adjusted		1853.0	1775.3	1675.3	4.4	10.6	

WISCONSIN ECONOMIC INDICATORS

INDICATOR	UNIT	MONTHLY SERIES			% CHANGE		AVG.	
		Latest Month		Mo/Ago	Yr/Ago	Mo/Ago	Yr/Ago	1982
C6 TOTAL SECURITIES REGISTRATIONS								
Unadjusted	MIL. DOL.	42.0	Aug	61.2	56.0	-31.4	-25.0	73.4
Seasonally Adjusted		38.7		45.3	51.7	-14.6	-25.1	
C7 PERSONAL INCOME								
Unadjusted	MIL. DOL.	4,422	Jun	4,308	4,163	2.6	6.2	4,158
Seasonally Adjusted		4,409		4,338	4,149	1.6	6.2	
C8 AVG. WEEKLY EARNINGS, MFG.								
Unadjusted	DOLLARS	389.09	Aug	393.50	364.21	-1.1	6.8	371.03
Seasonally Adjusted		397.03		401.53	371.83	-1.1	6.8	
C9 CASH RECEIPTS FROM FARM MKTG.								
Unadjusted	MIL. DOL.	414.5	Jun	410.4	393.4	1.0	5.4	419.4
Seasonally Adjusted		420.4		410.0	399.0	2.5	5.4	
C10 CONTRACT CONSTRUCTION EMPL.								
Unadjusted	THOUS.	53.8	Aug	52.9	55.5	1.7	-3.0	52.2
Seasonally Adjusted		48.4		47.9	49.9	1.0	-3.0	
OTHER KEY INDICATORS								
X1 BIRTH REGISTRATIONS								
Unadjusted	NUMBER	7,112	Aug	5,552	6,029	28.0	18.0	6,186
Seasonally Adjusted		6,838		5,338	5,798	28.1	17.9	
X2 DEATH REGISTRATIONS								
Unadjusted	NUMBER	3,712	Aug	3,056	2,973	21.5	24.9	3,336
Seasonally Adjusted		4,009		3,210	3,211	24.9	24.8	
X3 NATURAL NET GAIN POPULATION								
Unadjusted	NUMBER	3,400	Aug	2,496	3,056	36.2	11.3	2,851
Seasonally Adjusted		2,898		2,117	2,605	36.9	11.2	
X4 MARRIAGE REGISTRATIONS								
Unadjusted	NUMBER	5,253	Aug	4,317	4,893	21.7	7.4	3,517
Seasonally Adjusted		3,793		3,042	3,534	24.7	7.3	
X5 CONSUMER PRICE INDEX (MILW.)				(May)				
Unadjusted	INDEX	310.1	Jul	308.8	296.5	0.4	4.6	296.3
X6 PRICES RECEIVED BY FARMERS								
Unadjusted	INDEX	143	Aug	139	142	2.9	0.7	143
Seasonally Adjusted		145		141	144	2.8	0.7	
X7 NET GAIN IN RESIDENTIAL PHONE ACCESS LINES								
Unadjusted	NUMBER	-4,935	Aug	1,205	893	-509.5	-652.6	-416
Seasonally Adjusted		-6,372		2,217	-544	-387.4	-1071.3	
X8 TOTAL JOB OPENINGS REC.								
Unadjusted	NUMBER	11,123	Aug	9,815	7,618	13.3	46.0	5,064
Seasonally Adjusted		7,420		8,255	5,082	-10.1	46.0	
X9 MANUFACTURING EMPL.								
Unadjusted	THOUS.	497.1	Aug	492.3	505.7	1.0	-1.7	496.8
Seasonally Adjusted		485.0		485.5	493.5	-0.1	-1.7	

B

LABOR FORCE ESTIMATES

WISCONSIN LABOR FORCE ESTIMATES AUGUST	(In Thousands)			Pct. Chg.	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
<i>Unadjusted</i>					
CIVILIAN LABOR FORCE	2434.7	2437.1	2476.5	-0.1	-1.7
Employment (Inc. Labor Disputes)	2208.8	2205.2	2222.8	0.2	-0.6
Unemployment	225.9	231.9	253.7	-2.6	-11.0
Unemployment Rate	9.3	9.5	10.2	-	-
<i>Seasonally Adjusted</i>					
CIVILIAN LABOR FORCE	2406.5	2398.3	2406.3	0.3	0.0
Employment (Inc. Labor Disputes)	2175.3	2172.0	2152.8	0.2	1.0
Unemployment	231.2	226.3	253.5	2.2	-8.8
Unemployment Rate	9.6	9.4	10.5	-	-

WISCONSIN EMPLOYMENT ESTIMATES AUGUST	(In Thousands)			Pct. Chg.	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
TOTAL NONFARM WAGE AND SALARY WORKERS	1849.6	1855.3	1873.0	-0.3	-1.2
<i>Unadjusted</i>					
Manufacturing	488.5	490.9	505.4	-0.5	-3.3
Mining	2.5	2.5	2.1	0.0	19.0
Contract Construction	53.8	52.9	55.5	1.7	-3.1
Transportation and Public Utilities	76.3	81.4	84.4	-6.3	-9.6
Elec., Gas and Sanitary Services	17.2	17.2	17.5	0.0	-1.7
Wholesale Trade	103.7	103.4	102.3	0.3	1.4
Retail Trade	334.4	330.3	333.3	1.2	0.3
General Merchandise	43.5	43.3	44.5	0.5	-2.2
Finance, Insurance and Real Estate	99.7	99.9	98.5	-0.2	1.2
Banking	27.0	27.1	26.8	-0.4	0.7
Insurance	30.9	31.2	31.6	-1.0	-2.2
Service and Miscellaneous	393.8	392.1	391.3	0.4	0.6
Hospitals	73.6	73.6	75.0	0.0	-1.9
Private Education	21.4	21.1	22.6	1.4	-5.3
Government	296.9	301.9	300.3	-1.7	-1.1
State Government	76.3	75.0	73.0	1.7	4.5
Local Government	192.8	198.7	199.6	-3.0	-3.4

UNITED STATES LABOR FORCE ESTIMATES AUGUST	(In Thousands)			Pct. Chg.	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
<i>Seasonally Adjusted</i>					
CIVILIAN LABOR FORCE	112,261	111,875	110,614	0.3	1.5
Employment	101,563	101,285	99,683	0.3	1.9
Unemployment	10,699	10,590	10,931	1.0	-2.1
Unemployment Rate	9.5	9.5	9.9	-	-

MANUFACTURING EMPLOYMENT (Unadjusted) AUGUST	(In Thousands)		
	Latest Month	Month Ago	Year Ago
All Manufacturing (Including Canning)	488.5	490.9	505.4
All Manufacturing (Excluding Canning)	466.9	473.0	480.2
Durable Goods	290.1	296.1	301.4
Lumber and Wood Prod., (Except Furniture)	21.9	21.6	19.3
Sawmills and Planning Mills	2.5	2.6	2.5
Millwork, Veneer, Plywood & Prefab. Wood Prod.	10.3	10.0	9.0
Furniture and Fixtures	8.9	8.6	8.6
Household Furniture	4.0	3.9	3.7
Stone, Clay and Glass Products	7.6	7.6	7.7
Concrete, Gypsum and Plaster Products	3.2	3.2	3.5
Primary Metal Industries	18.5	17.8	19.4
Iron and Steel Foundries	10.5	10.1	11.0
Fabricated Metal Products	48.4	48.1	48.8
Heating Equipment (Except Electrical) & Plumbing Fixtures	5.4	5.5	5.3
Fabricated Structural Metal Products	10.8	10.8	11.3
Metal Stampings	12.3	12.2	12.8
Machinery (Except Electrical)	86.3	93.1	100.2
Engines and Turbines	12.5	19.7	20.5
Farm Machinery and Equipment	13.6	13.5	13.9
Const., Min. & Material Handling Mach. & Equip.	12.6	12.6	13.5
Metalworking Machinery and Equipment	9.6	9.6	10.4
Special Industry Machinery (Except Metalworking)	9.0	9.0	10.5
General Industrial Machinery and Equipment	12.4	12.2	14.0
Service Industry Machines	7.3	7.3	7.8
Electrical Machinery, Equipment and Supplies	48.9	47.8	49.2
Electrical Industrial Apparatus	16.2	15.8	18.1
Household Appliances	6.8	6.5	6.5
Transportation Equipment	30.2	32.3	27.3
Motor Vehicles and Equipment	25.1	27.4	21.6
Instruments and Related Products	9.8	9.5	10.7
Miscellaneous Manufacturing	9.9	9.7	10.2
Nondurable Goods	198.4	199.9	204.0
Food and Kindred Products	73.1	69.5	78.9
Meat Products	13.9	13.9	13.5
Dairy Products	17.0	17.1	17.5
Canning and Preserving	21.6	17.9	25.2
Bakery Products	4.4	4.5	4.7
Beverage Industries	9.5	9.4	11.2
Textile Mill Products	4.7	4.8	4.6
Knitting Mills	3.9	4.0	3.8
Apparel and Other Finished Products	6.3	6.0	5.8
Paper and Allied Products	46.7	47.9	47.4
Pulp and Paper Mills	29.0	30.2	30.3
Converted Paper and Paperboard Products	9.5	9.4	9.0
Paperboard Containers and Boxes	7.1	7.0	6.9
Printing, Publishing and Allied Industries	32.2	32.2	32.0
Newspapers	10.6	10.6	10.6
Commercial Printing	13.0	13.0	13.0
Chemicals and Allied Products	9.7	9.7	9.8
Rubber and Misc. Plastics Products	16.8	16.6	16.5
Miscellaneous Plastics Products	12.6	12.5	12.6
Leather and Leather Products	8.6	7.9	8.7
Leather Tanning and Finishing	2.5	2.3	2.4
Footwear (Except Rubber)	4.4	4.0	4.6
Other Nondurable Goods	0.3	0.3	0.3

C WISCONSIN EARNINGS AND HOURS DATA

EARNINGS AND HOURS (Unadjusted) AUGUST	Average Weekly Earnings			Average Weekly Hours		
	Latest Month	Mo. Ago	Yr. Ago	Latest Month	Mo. Ago	Yr. Ago
All Manufacturing (Incl. Canning)	\$389	\$394	\$364	41.0	40.4	39.4
All Manufacturing (Excl. Canning)	397	403	375	40.8	40.7	39.5
Durable Goods	397	408	377	40.6	40.6	39.0
Lumber/Wood Prod. (Exc. Furn.)	305	298	274	41.6	41.4	39.0
Furniture and Fixtures	307	299	279	41.8	40.3	40.2
Stone, Clay and Glass Products	377	382	373	41.8	42.4	41.5
Primary Metal Industries	382	376	356	40.2	39.6	38.7
Iron and Steel Foundries	390	381	357	40.0	39.4	38.8
Fabricated Metal Products	397	390	372	40.3	39.6	38.9
Fab. Structural Metal Prod.	413	401	377	41.3	39.9	40.0
Metal Stampings	381	365	354	39.9	38.8	37.4
Machinery (Except Electrical)	436	467	419	40.6	41.8	38.7
Engines and Turbines	427	538	469	39.8	44.5	39.3
Farm Machinery and Equip.	495	505	420	40.8	41.4	36.9
Const. and Related Mach.	466	457	429	41.3	40.2	37.5
Metalworking Mach. and Equip.	422	435	418	39.3	40.0	39.0
Spec. Ind. Mach. (Exc. Metal)	470	468	421	44.3	44.0	41.0
Gen. Industrial Mach. and Equip.	447	434	426	39.8	39.3	38.8
Electrical Mach., Equip. and Supp.	372	390	355	40.4	41.2	39.1
Electrical Industrial Apparatus	405	431	377	41.7	43.4	38.8
Transportation Equipment	528	507	496	41.7	39.5	40.3
Instruments and Related Prod.	326	321	293	36.1	35.8	37.2
Nondurable Goods	377	374	346	41.5	40.2	40.0
Food and Kindred Products	344	337	314	41.4	38.3	39.2
Meat Products	404	408	393	39.8	39.6	38.9
Dairy Products	370	370	341	40.3	40.5	40.1
Textile Mill Products	266	266	243	40.0	39.0	38.4
Apparel and Other Fin. Prod.	226	217	205	39.3	38.5	37.1
Paper and Allied Products	475	477	436	44.6	44.6	44.0
Pulp and Paper Mills	518	519	466	46.1	46.2	45.0
Printing, Pub. and Allied Prod.	438	420	410	39.6	38.9	38.7
Chemicals and Allied Products	414	416	389	41.1	41.4	39.4
Rubber and Misc. Plastics Prod.	318	312	294	40.0	38.9	38.7
Leather and Leather Products.	262	260	240	39.4	39.2	37.6

C WISCONSIN EARNINGS AND HOURS DATA

EARNINGS AND HOURS (Unadjusted) AUGUST	Average Hourly Earnings Including O.T.			Average Hourly Earnings Excluding O.T.		
	Latest Month	Mo. Ago	Yr. Ago	Latest Month	Mo. Ago	Yr. Ago
All Manufacturing (Incl. Canning)	9.49	9.74	9.23	9.14	9.42	9.00
All Manufacturing (Excl. Canning)	9.74	9.90	9.50	9.37	9.57	9.25
Durable Goods	9.79	10.04	9.66	9.46	9.76	9.48
Lumber/Wood Prod. (Exc. Furn.)	7.32	7.21	7.02	7.10	6.99	6.87
Furniture and Fixtures	7.35	7.41	6.93	7.29	7.35	-
Stone, Clay and Glass Products	9.03	9.01	9.00	8.81	8.71	8.83
Primary Metal Industries	9.51	9.50	9.19	9.25	9.30	9.01
Iron and Steel Foundries	9.74	9.66	9.20	9.50	9.47	8.98
Fabricated Metal Products	9.86	9.85	9.55	9.44	9.46	9.27
Fab. Structural Metal Prod.	10.00	10.05	9.44	9.69	9.83	9.26
Metal Stampings	9.54	9.41	9.46	9.29	9.22	9.39
Machinery (Except Electrical)	10.73	11.18	10.85	10.45	11.00	10.74
Engines and Turbines	10.73	12.10	11.93	10.00	11.89	11.83
Farm Machinery and Equip.	12.12	12.20	11.37	12.03	12.06	11.20
Const. and Related Mach.	11.28	11.36	11.45	11.13	11.25	11.31
Metalworking Mach. and Equip.						
Spec. Ind. Mach. (Exc. Metal)	10.75	10.87	10.70	10.52	10.63	-
Gen. Industrial Mach. and Equip.	10.62	10.63	10.27	10.31	10.37	9.99
Electrical Mach., Equip. and Supp.	11.24	11.05	10.98	10.97	10.94	10.90
Electrical Industrial Apparatus	9.20	9.47	9.08	8.97	9.21	9.03
Transportation Equipment	9.72	9.94	9.73	9.52	9.71	9.63
Instruments and Related Prod.	12.66	12.84	12.31	11.91	12.18	11.75
	9.04	8.96	7.86	8.94	8.90	7.82
Nondurable Goods	9.08	9.30	8.65	8.69	8.88	8.31
Food and Kindred Products	8.32	8.81	8.00	7.97	8.31	7.69
Meat Products	10.14	10.31	10.11	9.62	9.78	9.71
Dairy Products	9.18	9.14	8.50	8.81	8.77	8.18
Textile Mill Products	6.64	6.81	6.32	6.45	6.58	6.16
Apparel and Other Fin. Prod.	5.75	5.64	5.53	5.37	5.54	5.46
Paper and Allied Products	10.65	10.69	9.93	10.16	10.16	9.47
Pulp and Paper Mills	11.23	11.23	10.36	10.68	10.65	9.86
Printing, Pub. and Allied Prod.	11.05	10.79	10.58	-	-	-
Chemicals and Allied Products	10.07	10.04	9.87	9.92	9.86	9.76
Rubber and Misc. Plastics Prod.	7.96	8.01	7.60	7.84	7.92	7.43
Leather and Leather Products.	6.64	6.62	6.38	6.43	6.52	6.32

C

SUMMARY OF RECENT WISCONSIN DATA

EARNINGS AND HOURS, MFG. Production Workers (Unadjusted) AUGUST	Average Weekly						Average Hourly Earnings					
	Earnings			Hours			Including O.T.			Excluding O.T.		
	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	
United States	\$353	\$354	\$332	40.2	40.0	39.0	8.79	8.85	8.51	—	—	
Wisconsin	389	394	364	41.0	40.4	39.4	9.49	9.74	9.23	9.14	9.42	
Selected Areas												
Appleton-Oshkosh (Calumet- Winnebago-Outagamie)	394	397	360	41.8	42.2	40.5	9.42	9.41	8.89	9.02	9.00	
Beloit (City)	421	407	387	46.1	44.6	41.9	9.13	9.12	9.25	—	—	
Eau Claire (Eau Claire-Chippewa)	381	382	357	40.8	40.6	40.0	9.34	9.42	8.94	9.05	9.13	
Fond du Lac (County)	347	347	399	40.0	40.1	39.9	8.66	8.66	7.93	8.49	8.52	
Green Bay (Brown County)	429	429	398	42.0	41.7	42.5	10.21	10.29	9.35	9.68	9.75	
Janesville (City)	426	477	406	37.3	39.1	37.3	11.44	12.21	10.88	11.39	12.09	
Janesville-Beloit (Rock County)	394	427	354	40.6	40.5	39.1	9.71	10.55	9.05	9.58	10.42	
Kenosha (County)	484	447	492	41.1	38.0	41.8	11.78	11.75	11.79	11.12	11.08	
La Crosse (County)	356	367	331	40.5	40.4	38.2	8.80	9.08	8.66	8.38	8.89	
Madison (Dane County)	370	378	347	40.9	40.6	38.9	9.04	9.31	8.92	8.53	8.84	
Manitowoc (County)	316	317	276	38.7	38.7	36.1	8.17	8.17	7.65	7.95	7.99	
Milwaukee (Milwaukee-Ozaukee- Waukesha-Washington)	435	446	414	40.5	41.0	39.3	10.74	10.87	10.53	10.25	10.52	
Racine (County)	397	402	363	39.8	39.8	37.5	9.98	10.09	9.67	9.73	9.92	
Sheboygan (County)	359	349	344	38.8	38.1	39.3	9.26	9.16	8.75	9.00	8.95	
Wausau (Marathon County)	387	385	362	42.3	41.7	41.4	9.14	9.24	8.74	8.77	8.87	

EMPLOYMENT, MFG. (Unadjusted) AUGUST	(In Thousands)			Percent Change	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
United States	18,866.0	18,654.0	18,751.0	1.1	0.6
Wisconsin	488.5	490.9	505.4	-0.5	-3.3
<i>Selected Areas</i>					
Appleton-Oshkosh (Calumet- Winnebago-Outagamie)	44.6	43.9	44.2	1.6	0.9
Beloit (City)	5.8	5.9	6.5	-1.7	-10.8
Eau Claire (Eau Claire-Chippewa)	9.0	9.1	8.7	-1.1	3.4
Fond du Lac (County)	10.3	10.2	11.0	1.0	-6.4
Green Bay (Brown County)	22.3	21.8	22.5	2.3	-0.9
Janesville (City)	7.2	9.9	5.7	-27.3	26.3
Janesville-Beloit (Rock County)	15.6	18.3	14.5	-14.8	7.6
Kenosha (County)	17.9	17.7	16.6	1.1	7.8
La Crosse (County)	9.9	9.8	10.2	1.0	-2.9
Madison (Dane County)	19.7	19.5	19.9	1.0	-1.0
Manitowoc (County)	12.1	11.5	11.6	5.2	4.3
Milwaukee (Milwaukee-Ozaukee- Waukesha-Washington)	154.3	160.2	170.0	-3.7	-9.2
Racine (County)	22.6	22.7	22.3	-0.4	1.3
Sheboygan (County)	18.6	18.2	18.4	2.2	1.1
Wausau (Marathon County)	11.5	11.5	10.9	0.0	5.5

1990: JOBS FOR ALL?

by Joseph Tumpach, Jr.

Item: Wisconsin Occupational Projections to 1990, recently released by the state's Department of Industry, Labor and Human Relations, predicts a growth of 348,020 jobs from 1980 to 1990.

Item: Wisconsin population projections, recently released by the state's Demographic Services Center of the Department of Administration, predicts a growth of 299,797 persons of labor force age.

Another case of bureaucratic non-cooperation between government departments? Evidence of statistical maneuvering? No. Both figures are reasonably good estimates; the combination is possible. Here's why. The apparent shortage of workers for the projected job growth disappears when factors other than just population growth are considered. Dual-job holding, changing labor force participation rates and movement from unemployment to employment sufficiently account for the projected difference.

The starting base for the occupational projections is the 1980 nonagricultural wage and salary employment, an estimate derived from surveying employers throughout the state. It is a survey enumerating the number of workers an employer has in various occupational categories. Workers with more than one job may be counted on more than one employer's return. How prevalent is dual-job holding? No figures exist for Wisconsin. However, nationally, an average of 5 percent of all employed persons hold more than one job. That is an average covering the years 1957 through 1980, and is a fairly constant figure. The lowest year's percent was 4.4 percent; the highest, 5.9 percent. At the 5 percent rate, about 92,300 jobs in 1980 were held by dual job workers. And, about 108,900 of the

projected jobs in 1990 will be worked by people with more than one job. Thus, about 16,600 of the forecasted job growth will be taken up by workers holding more than one job. That estimate seems reasonable. We have no reason to believe that the rate of dual-job holding is vastly different in Wisconsin than in the nation as a whole; and the national rate has remained fairly constant over twenty-four years. The growth in dual-job holding results in the growing level of employment while the rate remains about the same. Recent trends in wage concessions aimed at preserving employment will possibly add incentive to dual-job holding.

The projected 348 thousand job growth minus the 16,600 dual-job figure still leaves over 331 thousand employment growth, or, now, 331 thousand more employed persons. Much of the increased employment may come from an increase in the participation of women in the labor force. Over half, 52.7 percent, of all women aged 16 years and over participated in the labor force in 1980. That is an increase over the 42.7 percent of one decade earlier. And more significantly, that increase is not due simply to an increase of 16 year old and over women's population; the post-war baby boom coming of labor-force age. The 16-plus women's population grew by 266.7 thousand while women in the labor force increased by 298.1 thousand. True, it was a younger generation of women who added to the net population growth; and younger women tend to have higher labor force participation rates. Yet, even with a larger ratio of young women in the population, women of all ages must have embraced a work-outside-the-home life to increase the participation rate from 42.7 to 52.7 percent. Those were times, after all, of double-digit

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inflation along with increased economic expectations. Homes were bought and sold successively with the idea of "moving up", and women sought a wider range of careers rather than just a job to augment family income as they began breaking into former "men only" occupations. Will women continue to add labor force participants at such increasing rates? If their participation matches the last ten years' growth, women will add 282 thousand to the labor force. That seems large considering that probably less than half of the increase will be due to young women who will have just come into labor force age. Also, older women's increasing participation rates may slow since many who were disposed to enter the labor force may have already done so during the 1970 to 1980 decade. The overall participation rate for women, however, is expected to increase. And, even if the growth is half of what it was in the last decade, women in the labor force will grow by 183 thousand. Women will have to continue making inroads into traditionally male occupations to achieve that growth. When patterns of women's employment shown in the 1980 census are applied to the projected occupational growth for 1990, a job shortage results. Women's share of professional and technical jobs (predominately teachers, nurses and medical technicians), sales jobs, clerical jobs, factory machine operator jobs, and service industry jobs will amount to about 152 thousand. In

clerical occupations, for example, women held almost 79 percent of the jobs during 1980. Thus, with clerical occupation projected to increase by 66.8 thousand by 1990, almost 53 thousand of that growth will be by women workers. Other occupational groups with large increases of women workers will be service, 49 thousand; and professional, 34 thousand.

Even with a large increase in women's participation rate, say one matching the last decade's growth, women will add 282 thousand to the labor force. Men, at the same participation rate as 1980, will add 105 thousand. And that total exceeds the projected occupational growth. Plus, there will likely be over 16 thousand people holding more than one job. Thus, there will be a shortage of 56 thousand nonfarm wage and salary jobs. Some of that represents employment in other than nonfarm wage and salary work--self-employed, and non-paid family workers. But many will be unemployed workers. The number can only be guessed; but, given the occupation projections that exceed labor force age growth, unemployment should decrease substantially from the 1980 level.

Three factors, then, contribute to the increase in employment by 1990. Dual-job holding should continue, women will likely continue increasing their labor force participation rate, and unemployment will likely abate.

Copies of the Occupational Projections to 1990 are available from:

Wisconsin Department of Industry, Labor and Human Relations
P. O. Box 7944
Madison, Wisconsin 53707

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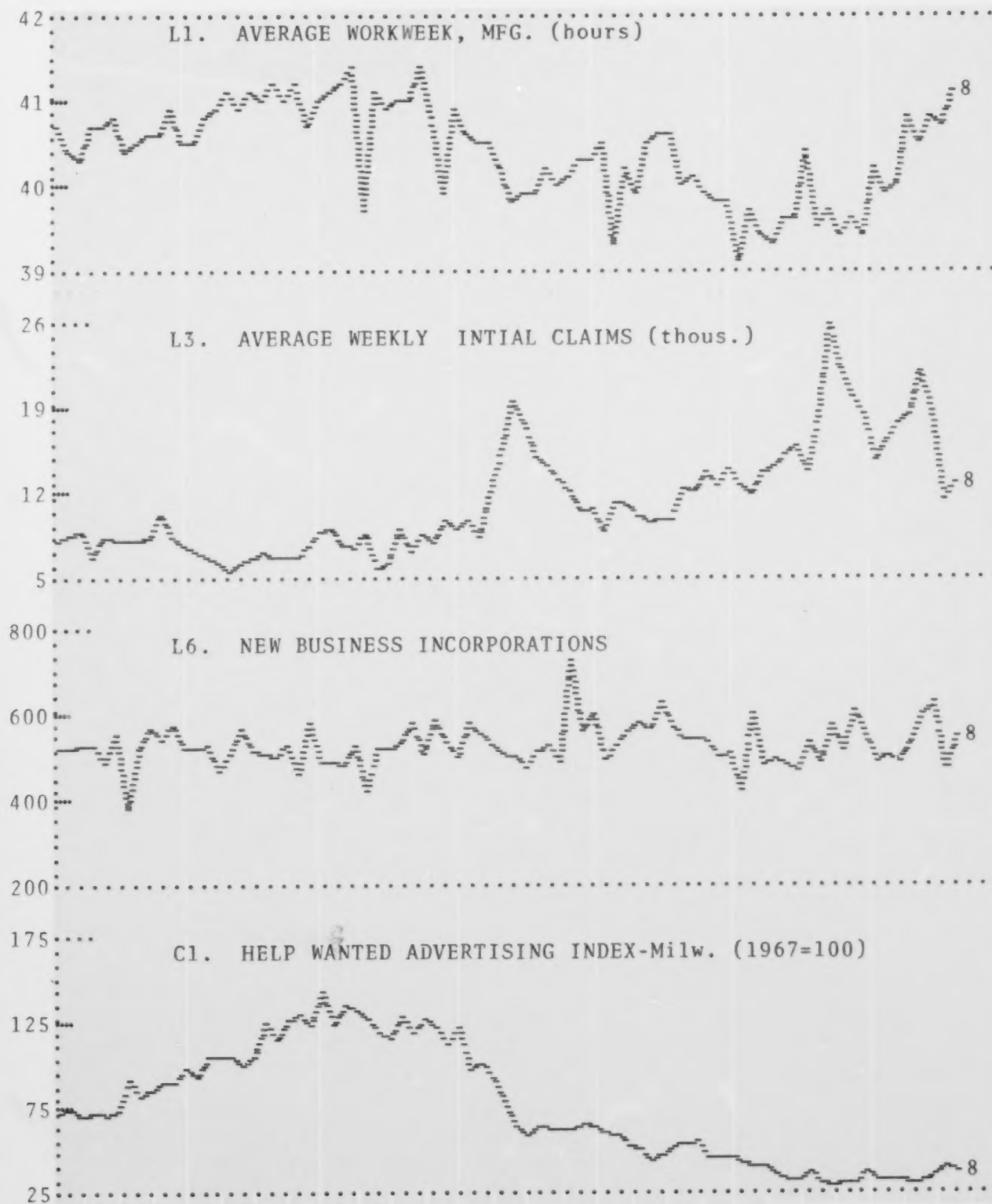
	<u>1980</u>	<u>1990</u>
Population, 16+ yrs. of age	3,528,400	3,828,200
Male	1,702,600	1,840,800
Female	1,825,700	1,987,400
Labor Force		
@ 1980 Participation Rates	2,263,400	2,451,900
Male	1,299,700	1,404,500
Female	963,700	1,047,400
Dual Job Holders	92,300	108,900
Labor Force		
@ previous growth in women's participation rate	2,263,400	2,650,600
Male	1,299,700	1,404,500
Female	963,700	1,246,100
Estimated Nonfarm Wage and Salary Employment	1,938,250	2,286,290

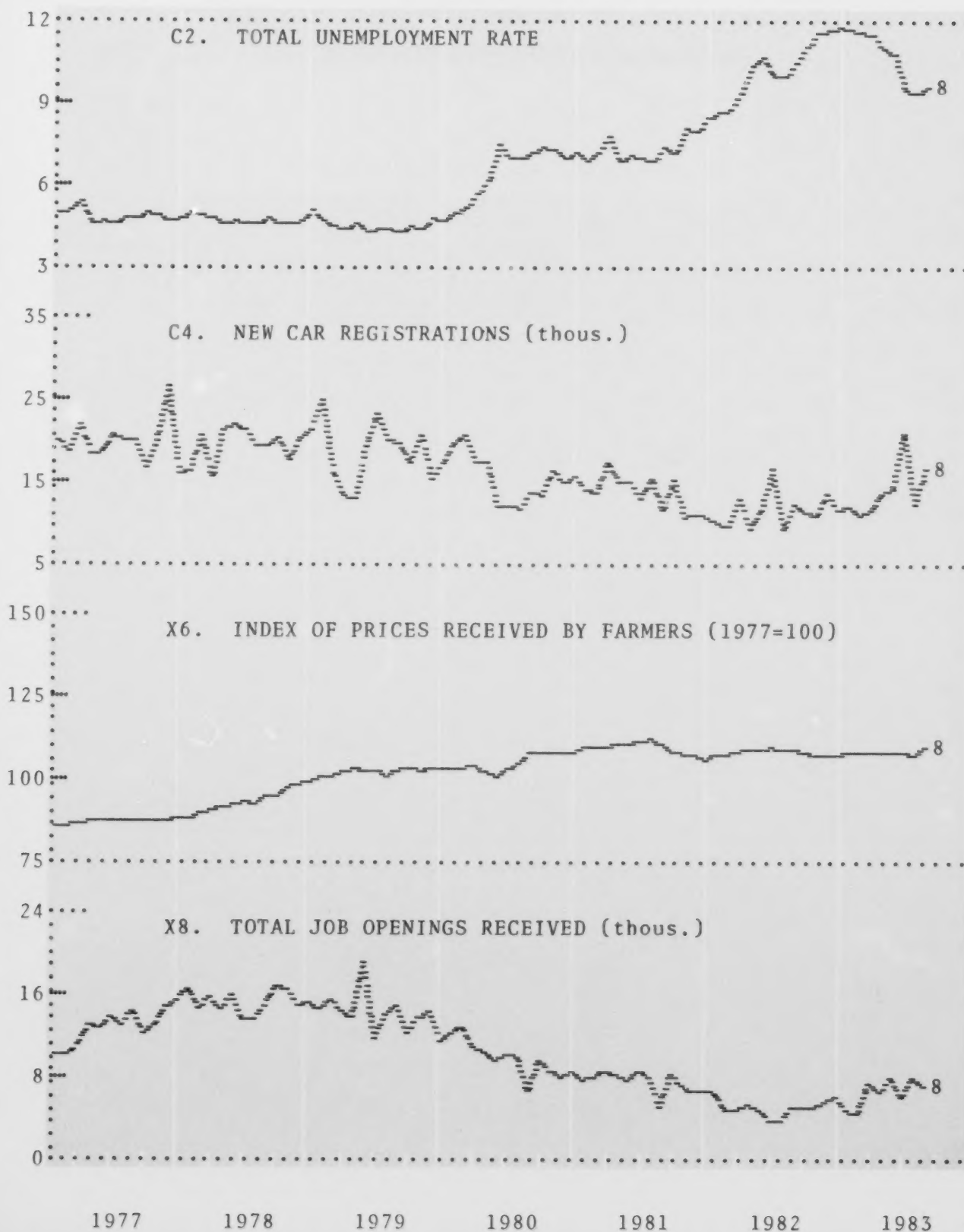
Nonagricultural Wage and Salary Employment in Wisconsin

	<u>1980</u>	<u>1990</u>
Professional and Technical	315,460	382,490
Managers and Officials	169,750	200,350
Sales Workers	117,830	143,020
Clerical Workers	354,300	421,100
Craft Workers	214,580	245,630
Machine and Vehicle Operators	333,980	375,930
Service Workers	303,890	375,280
Laborers, exc. Farm	127,540	141,560

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